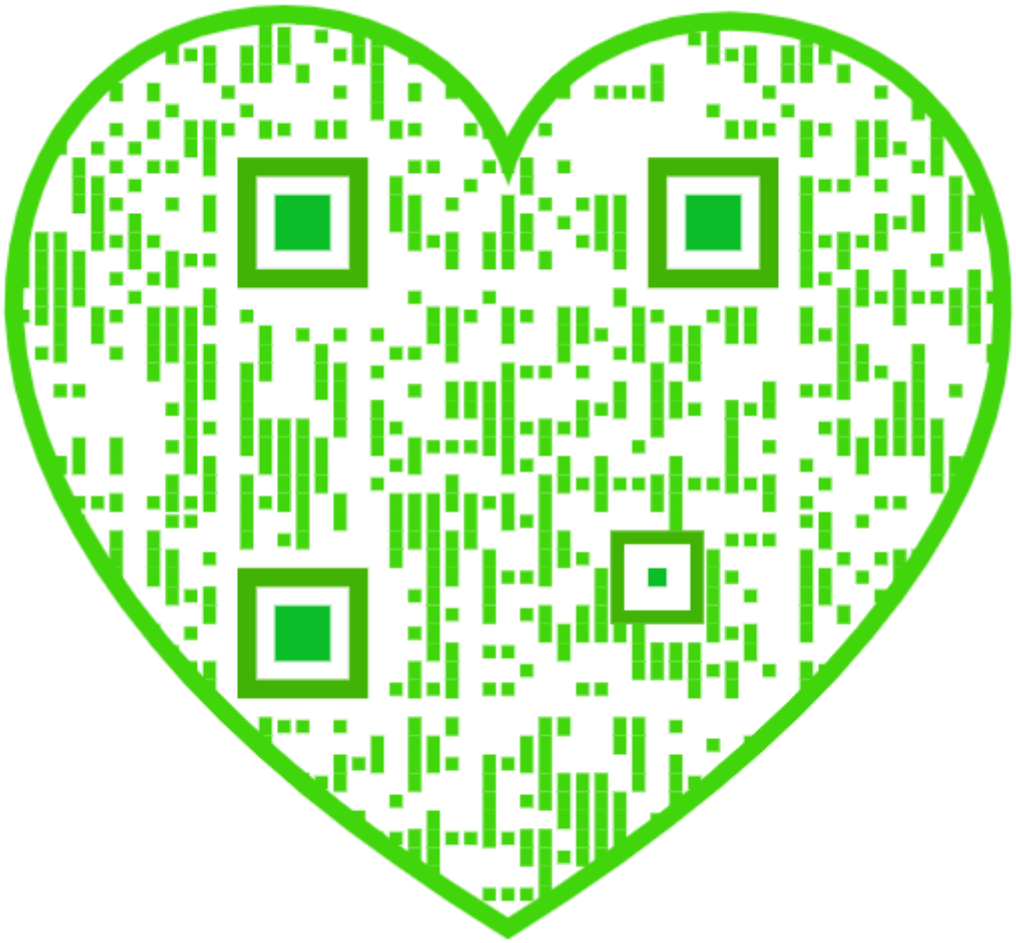
Master in Artificial Intelligence

Algorithm Selection & Development IX



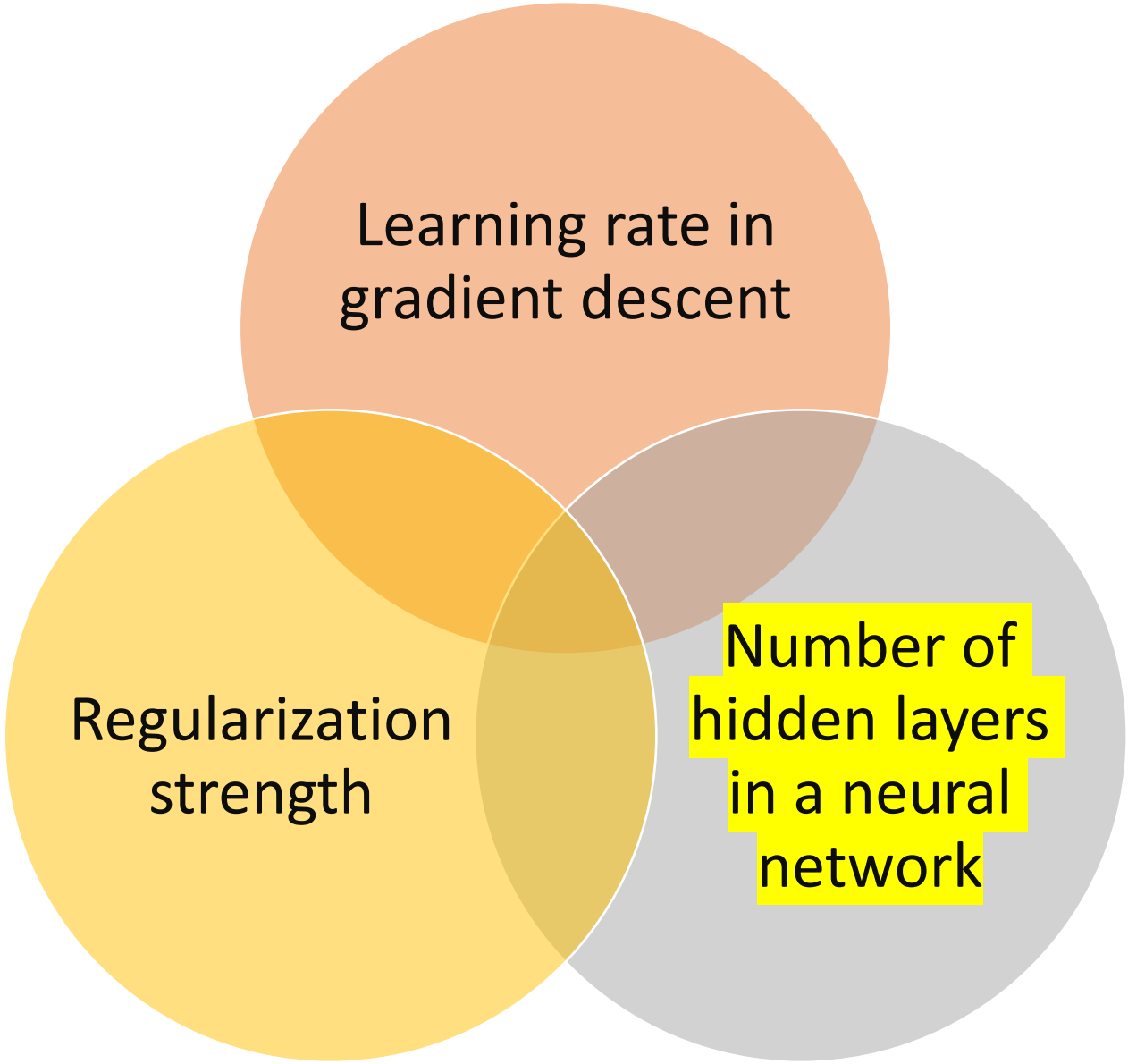
Purpose

The purpose of the section is to help you learn how to research, select, and develop appropriate algorithms to become a Successful Artificial Intelligence (AI) Engineer

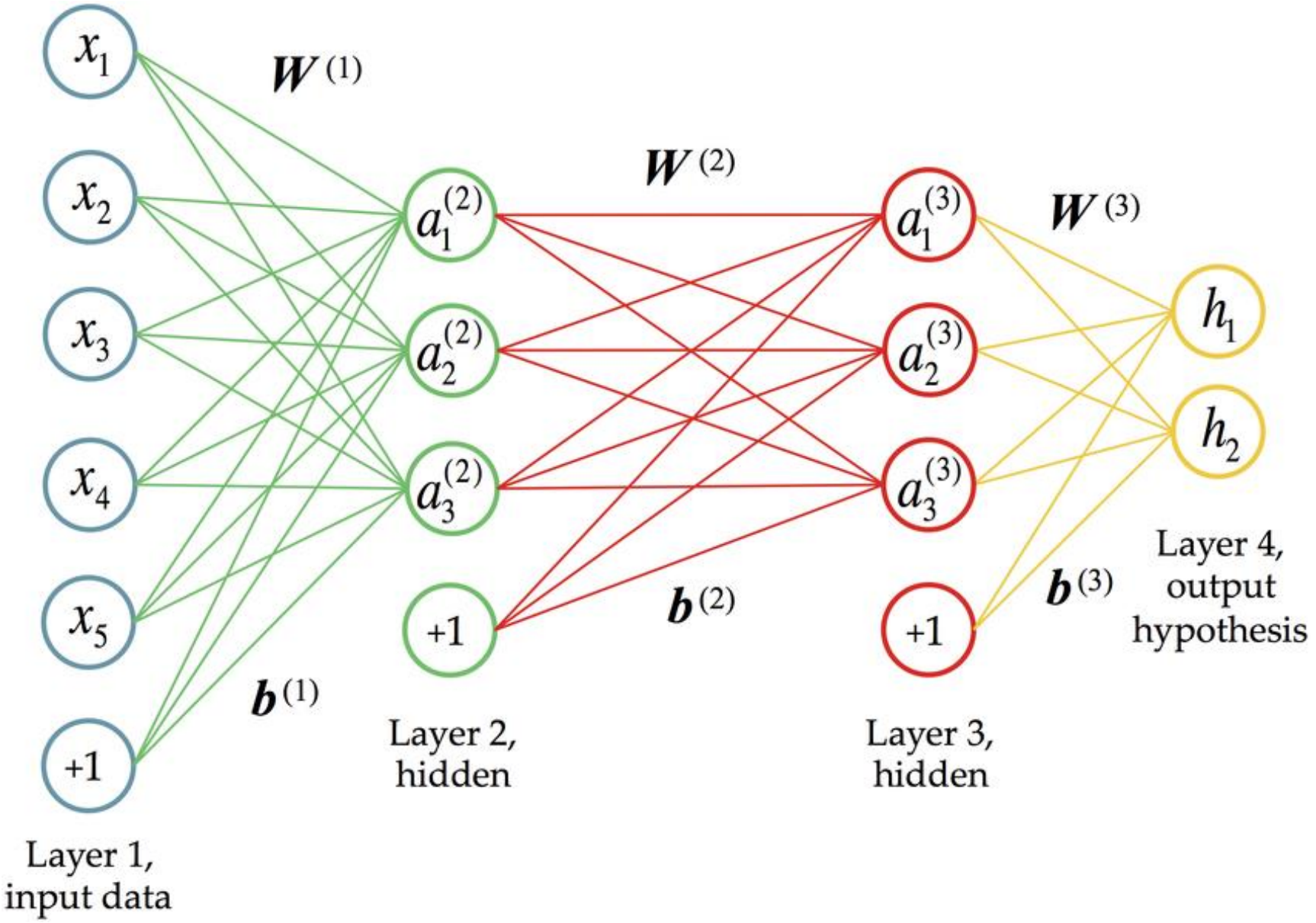
At the end of this lecture, you will learn the following

- **Number of hidden layers in a neural network hyperparameter**

What is number of hidden layers in a neural network



What is number of hidden layers in a neural network



Number of hidden layers and nodes in a neural network

Complexity of the Problem

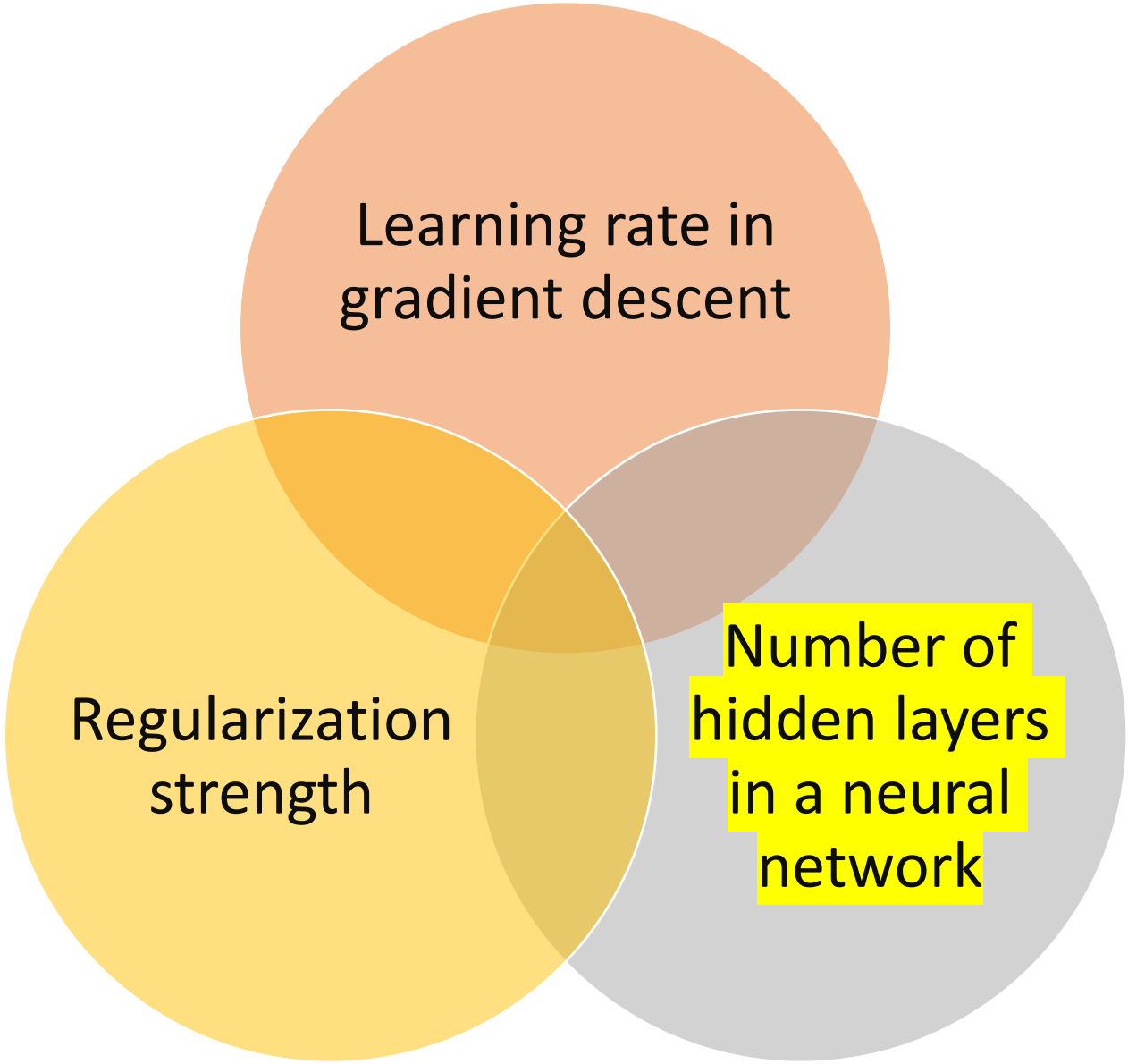
Size and Complexity of the Dataset

Computational Resources

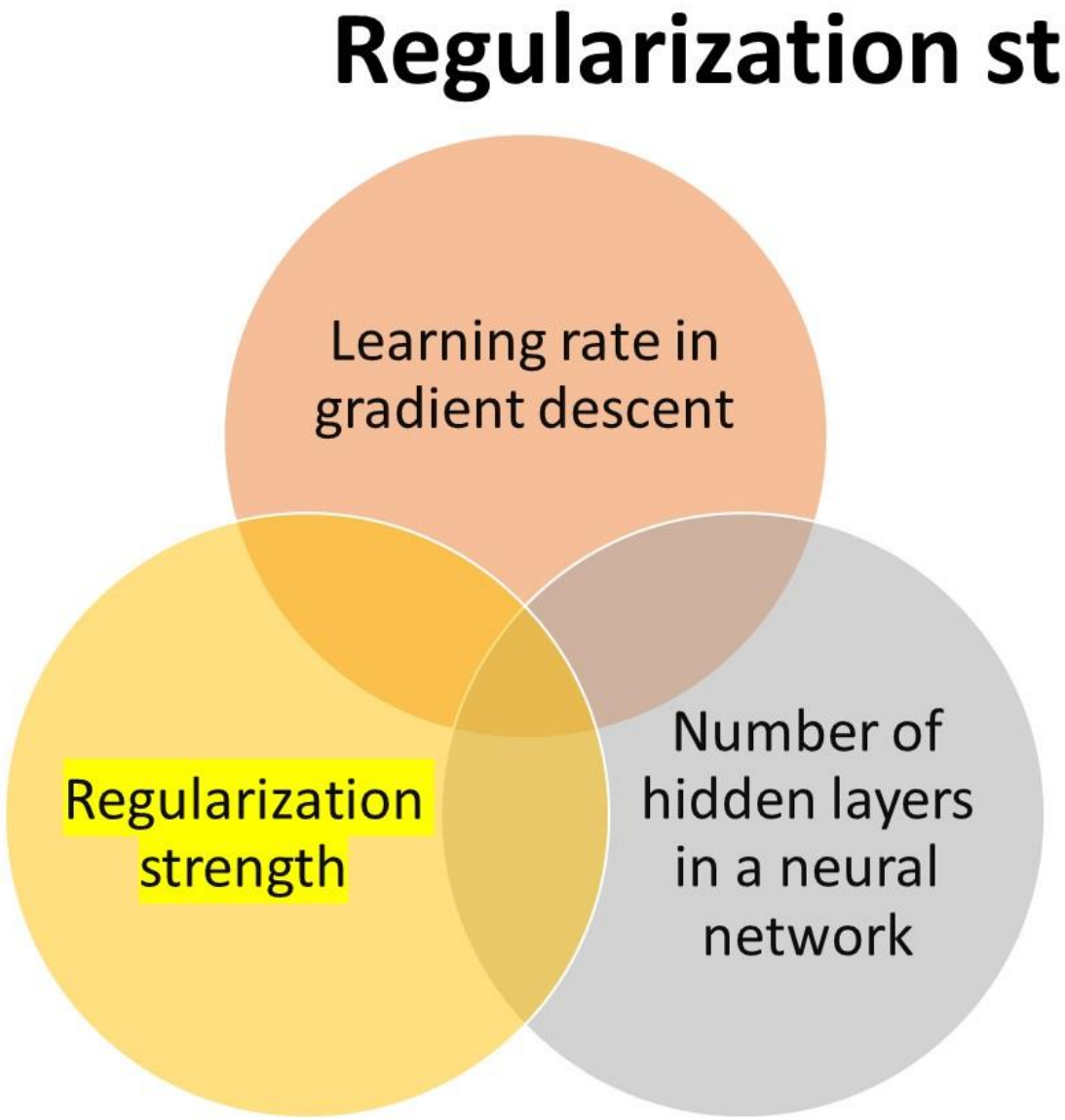
Overfitting vs. Underfitting

Training Performance

Number of hidden layers in a neural network



What is next?


Regularization strength
Learning rate in gradient descent
Regularization strength
Number of hidden layers in a neural network

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